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A Table of the Values of m Corresponding to Given Values of $\phi(m)$.*

By R. D. CARMICHAEL.†

$\phi(m)$		m		$\phi(m)$		m		φ(m)		m	
1	1	2		36	37	5 7	63	72	73	91	95
2	3	4	6		74	76	108		111	117	135
4	5	8	10		114	126			146	148	152
	12			40	41	55	75		182	190	216
6	7	9	14		82	88	100		222	22 8	234
	18				110	132	150		252	270	
8	15	16	20	42	43	49	86	78	79	158	
	24	30			98			80	123	164	165
10	11	22	}	44	69	92	138		176	200	220
12	13	21	26	46	47	94	100		246	264	300
	28	36	42	48	65	104	105		330		
16	17	$\bf 32$	34	10	112	130	140	82	83	166	
	40	48	60		144	156	168	84	129	147	172
18	19	27	38		180	210	100		196	25 8	294
	54			52	53	106	l	88	89	115	178
20	25	33	44	54	81	162			184	230	276
	50	66		56	87	116	174	92	141	188	282
22	23	46		58	59	118	117	96	97	119	$\begin{array}{c} 202 \\ 153 \end{array}$
$\bf 24$	35	39	45	60	6 1	77	93	"	194	195	208
	52	56	70	00	99	122	$\begin{array}{c c} 33 \\ 124 \end{array}$		$\begin{array}{c} 134 \\ 224 \end{array}$	238	260
	72	78	84		154	186	198		280	288	306
	90			CA			1		$\begin{array}{c} 230 \\ 312 \end{array}$	336	360
2 8	29	58		64	$\frac{85}{160}$	128	136		390	$\begin{array}{c} 330 \\ 420 \end{array}$	300
30	31	62				170	192	100			200
32	51	64	68		204	240		100	101	125	202
	80	96	102	66	67	134			2 50		
	120		Į	70	71	142	Į,	102	103	206	

^{*}The object of this table is to give all values of m corresponding to every possible value of Euler's ϕ -function of m up to $\phi(m) = 1000$. The table has been double checked up to $\phi(m) = 500$. The greater portion of the succeeding part of the table may be derived from this part in a simple way. It is therefore believed that but very few errors will be found in the table.

[†] Read before the American Mathematical Society (Chicago), March 30, 1907.

$\phi(m)$		m		$\phi(m)$		m		$\phi(m)$		m	
104	159	212	318	160	187	205	328	216	247	259	327
106	107	214			352	374	400		333	351	399
108	109	133	171		410	440	492		405	436	494
	89	218	$\boldsymbol{266}$	1.00	528	600	660		518	532	648
	24د	342	378	162	163	243	326		654	666	684
110	121	$\boldsymbol{242}$		164	$\begin{array}{c} 486 \\ 249 \end{array}$	332	400		702	756	798
112	113	145	$\boldsymbol{226}$	164 166	167	334	498	000	810	0.40	40.4
	232	290	348	168	203	$\begin{array}{c} 334 \\ 215 \end{array}$	245	220	253	363	484
116	177	236	354	100	261	$\begin{array}{c} 2.10 \\ 344 \end{array}$	392	000	506	726	
120	143	155	175		406	430	490	222	223	446	_
120	183	$\boldsymbol{225}$	231		516	$\boldsymbol{522}$	588	224	339	435	452
	244	248	286	172	173	346			464	580	678
	308	310	350	176	267	345	356		696	870	
	366	$\bf 372$	396	1.0	368	460	534	226	227	454	
	450	462			552	690		2 28	22 9	458	
126	127	$\boldsymbol{254}$		178	179	358		232	233	$\boldsymbol{295}$	466
128	255	256	272	180	181	209	217		472	590	708
	320	340	384		279	297	362	238	239	478	
	408	480	510		418	434	558	240	241	287	305
130	131	${\bf 262}$			594				325	369	385
132	161	201	207	184	235	376	470		429	465	482
102	268	322	402		$\bf 564$				488	495	496
	414			190	191	382			525	$\bf 572$	$\bf 574$
136	137	274		192	193	221	291		610	616	620
138	139	278			357	386	388		650	700	732
140	i		400		416	442	448		738	744	770
	213	284	426		476	520	560		792	858	900
144	185	219	273		576	582	612		924	930	990
	285	$\boldsymbol{292}$	296		624	672	714	250	1050	200	
	304	315	364		720	780	840	250	251	$\boldsymbol{502}$	
	370	380	432	196	197	394		252	301	381	38,7
	438	444	456	198	199	398			441	50 8	$\boldsymbol{602}$
	468	504	540	200	275	303	375		762	774	882
	546	570	630		404	500	550	256	257	512	514
148	149	298		004	$\begin{array}{c} 606 \\ 309 \end{array}$	$\begin{array}{c} 750 \\ 412 \end{array}$	618		544	640	680
150	151	302		204			- 11		768	816	960
			007	208	$\begin{array}{c} 265 \\ 626 \end{array}$	424	530		1020		
156	157	169	237	010	636	400		260	393	524	786
	314	316	338	210	211	422	CAS				100
	474]	212	321	428	642	262	263	526	

$\phi(m)$		m		$\phi(m)$		m		$\phi(m)$		m	
264		335	483	320	425	561	615	366	367	734	
	536	598	644		656	704	748	368	705	752	940
	670	804	828		800	820	850		1128	1410	
	966				880	984	1056	372	373	746	
268	269	538			1122	1200	1 2 30	378	379	758	
270	271	542		004	1320	710		380	573	764	1146
272	289	411	548	324	489	513	567	382	383	766	1110
	578	$\bf 822$			652	$\begin{array}{c} 972 \\ 1134 \end{array}$	978	11	1		505
276	277	329	417	200	1026		0.00	384	485	579	595
	423	$\bf 554$	556	328	415	664	830		663	765	772
	658	834	846	990	996	0.00			776	$\bf 832$	884
280	281	319	355	330	331	662			896	952	970
	562	$\bf 568$	638	332	501	668	$\boldsymbol{1002}$		1040	1120	1152
	710	852		336	337	377	609		1158	1164	1190
282	283	566			645	$\boldsymbol{674}$	688		1224	$\boldsymbol{1248}$	1326
288	323	365	455		735	754	784		1344	1428	1440
	459	555	584		812	860	980		1530	1560	1680
	585	$\boldsymbol{592}$	608		1032	1044	1176	388	389	778	
	646	728	730		1218	1290	1470	392	591	788	118 2
	740	760	864	342	361	722		396	397	437	469
	876	888	910	344	519	692	1038	550	597		621
	912	918	936	346	347	694	1000		794	603 796	874
	1008	1080	1092				501		938	1194	1206
	1110	1140	1170	348	349 698	$\begin{array}{c} 413 \\ 826 \end{array}$	$\begin{bmatrix} 531 \\ 1062 \end{bmatrix}$		1242	1104	1200
	1260	F 0.0		352	353	391		400	401	451	505
292	293	586		302	706	$\begin{array}{c} 391 \\ 712 \end{array}$	445 736	100	802	808	825
294	343	68.6			782	890	920		902	1000	1010
296	447	596	894		1068	1104	1380		1100	1212	1500
300	341	453	604	356	537	716	1074		1650		
	682	906		358			1014	408	409	51 5	818
306	307	614		Į	359	718	405		824	1030	1236
3 10	311	622		360	403	$\begin{array}{c} 407 \\ 543 \end{array}$	427	416	795	848	1060
312	313	371	395		$\begin{array}{c} 475 \\ 627 \end{array}$	651	$\begin{bmatrix} 549 \\ 675 \end{bmatrix}$		1272	1590	2000
J =. =	471	477	507		693	$\begin{array}{c} \textbf{724} \end{array}$	806	418	419	838	
	626	628	632		814	836	8 54	420	421	473	497
	676	$\bf 742$	790		868	9 50	1086	120	539	6 3 3	639
	942	948	954		1098	1116	1188		842	844	946
	1014				1254	1302	1350		994	1078	1266
316	317	634			1386				1278		

$\phi(m)$		m		$\phi(m)$		m		$\phi(m)$		m	
424	535	856	1070	476	717	956	1434	520	521	583	655
	1284			478	479	958			1042	1048	1166
430	431	$\bf 862$		480	527	533	715		1310	1572	
432	433	481	511		723	861	915	522	523	1046	
	545	657	$\boldsymbol{665}$		964	$\boldsymbol{975}$	976	524	789	$\boldsymbol{1052}$	1578
	741	777	819		992	1054	1066	528	623	801	805
	855	866	$\bf 872$		1144	1148	1155		897	1005	1035
	945	962	988		1220	$\boldsymbol{1232}$	$\boldsymbol{1240}$		1072	1196	1246
	1022	1036	1064		1300	1400	1430		1288	1340	1602
	1090	1296	1308		1446	1464	1476		1608	1610	1656
	1314	1330	1332		1488	1540	1584		1794	1932	2010
	1368	1404	1482		1716	$\boldsymbol{1722}$	1800		2070		
	1512	1554	1596		1830	1848	1860	536	807	1076	1614
	1620	1638	1710		1950	1980	2100	540	541	589	813
	1890				2310				837	891	$\boldsymbol{1082}$
438	439	878		486	487	$\bf 729$	974		1084	1178	$\boldsymbol{1626}$
440	575	605	759		1458				1674	$\boldsymbol{1782}$	
	968	1012	1150	490	491	982		544	685	867	1096
	1210	1452	1518	492	581	747	$\boldsymbol{1162}$		1156	1370	1644
442	443	886			1494				1734		
444	669	892	1338	498	499	998		546	547	1094	
448	449	493	565	500	625	753	1004	552	611	695	831
	898	904	928		1250	1506			987	1108	1112
	986	1130	1160	502	503	1006			1222	1316	1390
	1356	1392	1740	504	551	$\bf 559$	635		$\boldsymbol{1662}$	1668	$\boldsymbol{1692}$
452	681	908	1362		637	783	903		1974		
456	457	687	914		1016	1102	1118	556	557	1114	
	916	1374			1204	1270	1274	560	725	843	957
460	461	517	922		1524	1548	1566		1065	1124	1136
400	1034	0.00			1764	1806			1276	1420	1450
462	463	926	000	506	52 9	1058			1686	1704	1914
464	699 944	$\begin{array}{c} 885 \\ 1180 \end{array}$	$\begin{array}{c c} 932 \\ 1398 \end{array}$	508	509	1018			2130		
	1416	1770	1000	512	771	1024	1028	562	563	1126	
466	467	934			1088	1280	1360	564	849	1132	1698
468	553	711	1106		1536	1542	1632	568	569	1138	
100	1422	• 1 1	1100		1920	2040		570	571	1142	

$\phi(m)$		m		$\phi(m)$		m		$\phi(m)$		m	
576	577	629	679	630	631	1262		676	677	1354	
	873	969	1071	632	951	1268	1902	68 2	683	1366	
	1095	1154	1168	636	749	963	1498	684	1083	1444	2166
	1184	1216	$\boldsymbol{1258}$		1926			688	865	$\boldsymbol{1384}$	1730
	1292	1358	1365	640	641	697	935		2076		
	1456	1460	1480		1275	$\boldsymbol{1282}$	1312	690	691	1382	
	1520	1728	1746		1394	1408	1496	692	1041	13 88	2082
	1752	1776	1820		1600	1640	1700	696	767	1047	1239
	1824	1836	1872		1760	1870	1968		1396	1534	1652
	1938	2016	$\boldsymbol{2142}$		2112	2244	2400		2094	$\boldsymbol{2124}$	2478
	2160	2184	2190		2460	2550	2640	700	701	781	1402
	2220	2280	2340	642	643	1286			1562		1101
	2520	2730		646	647	1294		704	1059	1173	1335
580	649	$\boldsymbol{1298}$		648	703	763	815	101	1412	1424	1472
584	879	1172	1758		981	999	1053		1564	1780	1840
586	587	1174			1197	1215	1304		2118	2136	2208
588	1029	1372	2058		1406	1526	1630		2346	2670	2760
592	593	745	1186		1944	1956	1962	708	709	1418	2100
	1192	1490	1788		1998	$\boldsymbol{2052}$	2106	712	895	1432	1790
598	599	1198			2268	2394	2430	112	$\begin{array}{c c} 2148 \end{array}$	1402	1730
600	601	671	707	652	653	1306		710		1400	0154
	755	775	875	656	1245	1328	1660	716	1077	1436	2154
	909	1023	1125	000	1992	2490	1000	718	719	1438	0.00
	1202	1208	1342	658	659	1318		720	779	793	803
	1364	1414	1510	660	661	713	737		905	925	1001
	1550	1750	1812	000	847	993	1089		1045	1085	1107
	1818	2046	2250		1322	1324	1426		1209	1221	1281
606	607	1214			$\frac{1322}{1474}$	$\frac{1524}{1694}$	1986		1287	1395	1425
612	613	721	921		2178	1094	1900		1448	1485	1558
	927	1226	1228	004		1000	1.070		1575	1586	1606
	1442	1842	1854	664	835	1336	1670		1612	1628	1672
616	617	667	1234		2004				1708	1736	1810
	1334		ļ	672	673	731	791		$\begin{array}{c} 1850 \\ 2090 \end{array}$	1900	2002
618	619	1238			833	1011	1015			2170	2172
620	933	1244	1866		1017	1131	1305		$\begin{array}{c} 2196 \\ 2376 \end{array}$	2214	2232
624	689	785	845		1346	1348	1376		$\frac{2576}{2508}$	2418	2442
	939	1113	1185		1462	1508	1568		$\frac{2608}{2604}$	$\begin{array}{c} 2562 \\ 2700 \end{array}$	2574
	1252	1256	1264		1582	1624	1666		2790	2850	2772
	1352	1378	1484		1720	1960	2022		3150	2000	2970
	1570	1580	1690		2030	2034	2064	700		1 4 ~ 4	
	1878	1884	1896		2088	2262	2352	726	727	1454	1 400
	1908	2028	2226	}	2436	2580	2610	732	733	1101	1466
	2370			J	2940		j		1468	2202	

$\phi(m)$		m		φ (m)		m		$\phi(m)$		m	
736	799	1504	1598	800	1025	1203	1353	864	949	1235	1295
	1880	2256	2820		1515	1604	1616		1299	1377	1443
738	739	1478			1804	2000	2020		1533	1635	1665
742	743	1486			2050	2200	2406		1732	1744	1755
744	1119	1492	2238		2424	2706	3000		1898	$\boldsymbol{1924}$	1976
750	751	1502		0.00	3030	3300			1995	2044	2072
756	757	817	889	808	809	1618			2128	2180	2470
100	931	1137	1143	810	811	1622			2590	$\boldsymbol{2592}$	2598
	1161	1323	1514	812 816	841 959	$1682 \\ 1227$	1233		2616	$\boldsymbol{2628}$	2660
	1516	1634	1778	010	1545	1636	1648		2664	2736	2754
	1862	2274	2286		1918	2060	$\begin{array}{c} 1048 \\ 2454 \end{array}$		2808	2886	2964
	2322	2646			2466	2472	3090		3024	3066	3108
760	761	955	1522	820	821				3192	3240	3270
100	1528	1910	2292	020	1826	913	1642		3276	3330	3420
764	1149	1532	2298	000	1	1040			3510	3780	3990
	1			822	823	1646		876	877	1317	1754
768	769	965	1105	826	827	1654	079		1756	2 634	
	1455	1538	1544	8 28	829	893	973	880	881	943	979
	$1552 \\ 1792$	1664 1904	$\begin{array}{c} 1768 \\ 1930 \end{array}$		$\begin{array}{ c c c }\hline 1251\\ 1786\\ \end{array}$	$1269 \\ 1946$	$\begin{array}{c c} 1658 \\ 2502 \end{array}$		1043	1265	1725
	1940	2080	$\begin{array}{c} 1330 \\ 2210 \end{array}$		2538	1940	2002		1762	1815	1886
	2240	2304	2316	000	ł	1000	4000		1936	1958	2024
	2328	2380	2448	832	901	1696	1802		2086	2300	2420
	2496	2652	2688	000	2120	2544	3180		2530	2904	3036
	2856	2880	2910	836	1257	1676	2514		3450	3630	
	3060	3120	3360	838	839	1678		882	88 3	1766	
772	773	1546	3333	840	899	923	1055	884	1329	$\boldsymbol{1772}$	2658
776	1167	1556	2334		1075	1225	1263	886	887	1774	
780	869	917	1179		$1419 \\ 1684$	1491	1617	888	1115	1 341	1784
.00	1738	1834	2358		1846	$\frac{1688}{1892}$	1798		2230	2676	2682
784	985	1576	1970		2110	$\frac{1092}{2150}$	$\begin{array}{c c} 1988 \\ 2156 \end{array}$	896	1347	1479	1695
104	2364	1010	1910		2450	2526	$\begin{array}{c c} 2130 \\ 2532 \end{array}$	000	1796	1808	1856
700		1574			2556	2838	$\begin{bmatrix} 2932 \\ 2982 \end{bmatrix}$		1972	2260	2320
786	787	1574	005		$\frac{2000}{3234}$	2000	2002		2694	2712	2784
792	851	871	995	0.40	1605	1710	9140		2958	3390	3480
	1191	1311	1407	848	2568	$\begin{array}{c} 1712 \\ 3210 \end{array}$	2140	900	1057	1359	2114
	1449	1588	1592	0.50				000	2718	1000	411 %
	1702	1742	1748	8 52	853	1706		904	1135	1816	2270
	$\begin{array}{c} 1876 \\ 2384 \end{array}$	1990	2382	856	857	1714		<i>9</i> 04	2724	1010	4210
	2622	$2412 \\ 2814$	2484 2898	858 860	859	1718	0500	000		1014	
796		$\frac{2014}{1594}$	4000	$\begin{array}{c} 860 \\ 862 \end{array}$	$\begin{array}{c} 1293 \\ 863 \end{array}$	$1724 \\ 1726$	2586	$\begin{array}{c} 906 \\ 910 \end{array}$	$\begin{array}{c} 907 \\ 911 \end{array}$	$\begin{array}{c} 1814 \\ 1822 \end{array}$	

$\phi(m)$		m		$\phi(m)$		m		$\phi(m)$		m	
912	1145	1371	1828	940	941	1882		966	967	1934	
	1832	$\boldsymbol{2290}$	2742	946	947	1894		970	971	$\boldsymbol{1942}$	
	2748			952	953	1195	1906	972	1141	1461	1539
918	919	1838			1912	2 390	2868		1701	1948	2282
920	1175	1383	1551	956	1437	1916	2874		2916	2922	3078
	1844	2068	2350						ľ	2022	5010
	2766	3102		960	1037	1067	1205	0-0	3402		
924	989	1127	1389		1435	1581	1599	976	977	1954	
	1852	1978	2254		1683	1845	$\boldsymbol{1928}$	980	1473	1964	2946
	2778				1952	1984	2074	982	983	1966	
928	929	1003	1165		2108	2132	2134	984	1079	1743	2158
	1858	1864	1888		İ			001	2324		
	2006	2330	2360		2145	2288	2296		1	2988	3486
	2796	$\boldsymbol{2832}$	3540		2410	2440	2464	990	991	$\boldsymbol{1982}$	
930	961	$\boldsymbol{1922}$			2480	2600	2800	996	997	1169	1497
$\boldsymbol{932}$	1401	1868	2802		2860	2870	$\boldsymbol{2892}$		1503	1994	1996
936	937	1007	1027		2928	$\boldsymbol{2952}$	2976		2338	2994	3006
	1099	1183	1413		3080	3162	3168	1000	1111	1255	1375
	1431	$\boldsymbol{1521}$	1659		3198	3366	3432		1		
	1874	2014	2054		3444	3600	3660		1875	2008	22 22
	2198	2212	2366	ł	3690	3696	3720		2500	2510	2750
	2826	2844	2862		3900	3960	4200		3012	3750	
	3042	3318			4290	4620					

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